

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-38 (Cancelled)

39. (Currently amended) An apparatus for ~~monitoring~~ configured to monitor and ~~auditing~~ audit activity in a network, the network utilizes an incremental protocol, the apparatus comprising:

- a) an analyzer operative to analyze intercepted packets conveyed by entities in the network and to generate analyzed data based on information associated with at least some of said packets, the analyzed data being indicative of sessions;
- b) a mirror manager responsive to said analyzed data for generating mirror data representative of mirror sessions, each mirror session corresponding to one of said sessions; and
- c) an audit event analyzer being responsive to said mirror data for processing at least part of said data representative of a mirror session and generating event data representative of audit events that include inbound audit events and outbound audit events, said event data including characteristics relating to at least on-screen field location of data being part of the inbound audit events and outbound audit events including information for instructing a terminal how to draw screens to be displayed thereon and serving to prompt a user to perform operations each in respect of a corresponding outbound audit event, and said inbound audit events including information representative of the operations performed on the terminal in respect of said outbound audit events, said audit event analyzer further processing successive one or more outbound audit events and one or more inbound audit events for incrementally generating cumulative being adapted to analyze said event data for extracting extracted data from event data

~~representative of a respective united an inbound audit event that combines preceding outbound and together with the characteristics respective of said inbound audit events, event, and to generate event data representative of a [[said]] united audit event including information that enables displaying a current status of the screen on a terminal without requiring that the preceding outbound and inbound events be displayed prior thereto by combining the extracted data with one or more fields in event data representative of an outbound audit event based on said characteristics.~~

40. (Currently amended) The apparatus of Claim 39, further comprising:
a business event analyzer for processing at least part of said event data representative of outbound, inbound and united audit events and generating data representative of business events.
41. (Previously presented) The apparatus of Claim 40, further comprising:
an alerts manager coupled to the business event analyzer and being responsive to said data representative of business events for generating alerts.
42. (Previously presented) The apparatus of Claim 41, wherein the alerts manager is configured to generate at least some of the alerts based on predetermined thresholds.
43. (Previously presented) The apparatus of Claim 39, further comprising:
a first long term storage device for storing at least part of said analyzed data.
44. (Currently amended) The apparatus of Claim 39, further comprising:
a second long term storage device for storing at least part of said mirror data representative of mirror sessions.
45. (Currently amended) The apparatus of Claim 39, further comprising:

a compression agent for compressing at least part of the mirror data representative of mirror sessions.

46. (Currently amended) The apparatus of Claim 39, further comprising:
an encryption agent for encrypting at least part of the mirror data representative of mirror sessions.

47. (Currently amended) The apparatus of Claim 39, further comprising:
a signature agent for digitally signing at least part of the mirror data representative of mirror sessions.

48. (Currently amended) A method ~~[[for]]~~ of monitoring and auditing activity in a network, the network utilizes an incremental protocol, the method comprising:

- a) analyzing intercepted packets conveyed by entities in the network;
- b) generating analyzed data based on information associated with at least some of said packets, the analyzed data being indicative of sessions;
- c) responsive to said analyzed data generating in respect of one or more of said sessions mirror data representative of one or more mirror sessions, each mirror session corresponding to a session; and
- d) ~~processing at least part of said data representative of a mirror session and generating event data representative of audit events that include inbound audit events and outbound audit events, said outbound audit events event data including information for instructing a terminal how to draw screens to be displayed thereon and serving to prompt a user to perform operations each in respect of a corresponding outbound audit event, and said inbound audit events including information representative of the operations performed on the terminal in respect of said outbound audit events, wherein processing further includes processing successive one or more outbound audit events~~

and one or more inbound audit events for incrementally generating cumulative data representative of a respective united audit event that combines preceding outbound and inbound audit events, said united audit event including information that enables displaying a current status of the screen on a terminal without requiring that the preceding outbound and inbound events be displayed prior thereto. characteristics relating to at least on-screen field location of data being part of the inbound audit events and outbound audit events;

- e) extracting extracted data from event data representative of an inbound audit event together with the characteristics respective of said inbound audit event; and
- f) generating event data representative of a united audit event by combining the extracted data with one or more fields in event data representative of an outbound audit event based on said characteristics.

- 49. (Currently amended) The method of Claim 48, further comprising:
processing at least part of said event data representative of outbound, inbound and united audit events and generating data representative of business events.
- 50. (Previously presented) The method of Claim 0, further comprising:
responsive to said data representative of business events generating alerts in respect of at least one of said business events.
- 51. (Previously presented) The method of Claim 50, wherein generating at least some of the alerts is based on predetermined thresholds.
- 52. (Previously presented) The method of Claim 48, further comprising:
storing at least part of the analyzed data.

53. (Currently amended) The method of Claim 48, further comprising:
storing at least part of the mirror data representative of mirror sessions.
54. (Currently amended) The method of Claim 48, further comprising:
compressing at least part of said mirror data representative of mirror sessions.
55. (Currently amended) The method of Claim 48, further comprising:
encrypting at least part of said mirror data representative of mirror sessions.
56. (Currently amended) The method of Claim 48, further comprising:
digitally signing at least part of said mirror data representative of mirror sessions.
57. (Cancelled)
58. (Currently amended) A computer program product comprising a computer useable medium having computer readable program code embodied therein for performing steps of claim 48, monitoring and auditing activity of a network, the network utilizes an incremental protocol, the computer program product comprising:
~~computer readable program code for causing the computer to analyze intercepted packets conveyed by entities in the network;~~
~~computer readable program code for causing the computer to generate analyzed data based on information associated with at least some of said packets, the analyzed data being indicative of sessions;~~
~~computer readable program code for causing the computer to generate responsive to said analyzed data and in respect of one or more of said sessions, data representative of one or more mirror sessions, each mirror session corresponding to a session; and~~
~~computer readable program code for causing the computer to process at least part of said data representative of a mirror session and generate data representative of audit events that include~~

~~inbound audit events and outbound audit events, said outbound audit events including information for instructing a terminal how to draw screens to be displayed thereon and serving to prompt a user to perform operations each in respect of a corresponding outbound audit event, and said inbound audit events including information representative of the operations performed on the terminal in respect of said outbound audit events, wherein the computer readable program code is further configured to causing the computer to process successive one or more outbound audit events and one or more inbound audit events for incrementally generating cumulative data representative of a respective united audit event that combines preceding outbound and inbound audit events, said united audit event including information that enables displaying a current status of the screen on a terminal without requiring that the preceding outbound and inbound events be displayed prior thereto.~~

59. (New) The apparatus of claim 39, further comprising:

a terminal responsive to said event data representative of a united audit event for displaying said united audit event without requiring that preceding outbound and inbound audit events be displayed prior thereto.